

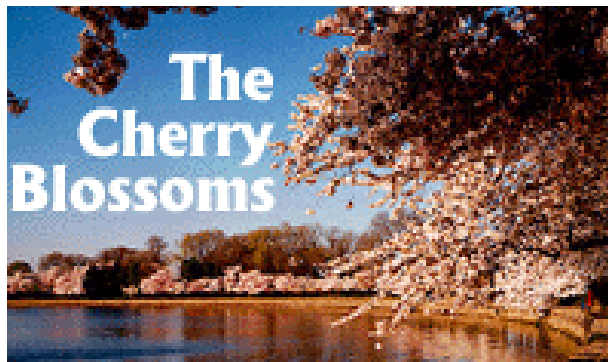
# SSAI CONNECTIONS



Volume 11, Issue 1

March 2003

## SPRING HAS ARRIVED!!!



The blooming of the cherry trees around the Jefferson Memorial in Washington, D.C. has come to symbolize the natural beauty of our nation's capital city. Hundreds of thousands of city residents and visitors from across the nation and around the world come here to witness the spectacle, hoping that the trees will be at the peak of bloom for the Cherry Blossom Festival, Washington, D.C.'s rite of spring.

The famous trees, a gift from Japan in 1912, signal the coming of Spring with an explosion of life and color surrounding the Jefferson Memorial on the Tidal Basin in a sea of pale pink and white. Exactly when

not an easy question to answer, but the National Park Service Regional Horticulturalist Robert DeFeo has been fairly accurate in his forecasts over the past several years.

Once the buds begin to expand in late February or early March, they can be monitored and the days counted before they can be expected to bloom. The forecast is based upon the weather forecast, and close inspection to determine the stage of bud development.

The history of the cherry trees dates to 1912 when the original trees were planted by First Lady Mrs. William Howard Taft and the Vicountess Chinda of Japan.

Today more than 3,700 cherry trees of several varieties grow around the Tidal Basin, at East Potomac Park, and on the Washington Monument Grounds. Most trees are the Yoshino variety, Japan's favorite cultivated cherry tree that was developed about 1870 and presented as a gift in 1912. They encircle the Tidal Basin and can also be seen in abundance on the Monument grounds.

Since the National Park Service has been keeping records of the blooming dates, the earliest blooming date has been March 15, 1990, and the latest date was marked on April 18, 1958. The average blooming date--that time when the blooms are considered to reach their peak--is April 5 for the Yoshino and April 22 for the double flowering Kwansan trees, mostly seen in East Potomac Park. The 2003 National Cherry Blossom Festival is scheduled for March 22-April 7. The peak bloom this Year is forecast to be April 5-12. The festival's National Cherry Blossom Parade will begin

at 9:30 a.m. on Saturday, April 5, on Constitution Avenue between 7th and 17th Streets NW.

(From the National Park Service)

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### Published by:

Erin Hayes  
Ceil Presnell

Edited by:

Mike Darzi

## Space Shuttle Columbia

The tragic fate of the space shuttle Columbia and her gallant crew on the STS-107 mission was an event that touched all of us at SSAI, but none more so than SSAI employees who had a direct involvement with the development and on-orbit operations of the SOLSE-2 and LORE science instruments. There is rightful great pride in the accomplishments of the science mission and operations, together with deep sorrow for the loss of the crew.

Under the direction of Principal Investigator (PI) Dr. Richard McPeters of GSFC's Atmospheric Chemistry and Dynamics Branch (Code 916), the Shuttle Ozone Limb Sounding Experiment (SOLSE-2) was included on STS-107 as part of Hitchhiker's FREESTAR mission. The principal mission of SOLSE-2 was to demonstrate a new technique to measure the vertical distribution of ozone in the atmosphere. Using limb-viewing geometry, SOLSE-2 measured limb-scattered ultraviolet and visible radiation to retrieve ozone with improved vertical resolution compared to traditional nadir-looking instruments such as SBUV (Solar Backscatter Ultraviolet). The SOLSE instrument previously flew on STS-87 in November 1997. However, difficulties with a co-manifested payload during that mission severely limited the amount of data SOLSE acquired, so the STS-107 mission was needed to fully validate the new technique. Notably, SOLSE was the first space-based instrument to demonstrate the feasibility of using Charge Coupled Device (CCD) technology for Earth remote sens-

ing in the ultraviolet. Using CCD's eliminates the need for moving parts generally found in scanning spectrometers, leading to smaller and less expensive instruments.



The Limb Ozone Retrieval Experiment (LORE), a complementary instrument within the SOLSE-2 canister, was also to demonstrate that the vertical profile of ozone could be measured with high resolution using sunlight scattered in the Earth's atmospheric limb. The LORE PI is Mr. Ernest Hilsenrath, also of GSFC's Code 916. More information regarding SOLSE and LORE may be found online at: [http://code916.gsfc.nasa.gov/Public/Space\\_based/solse/index.html](http://code916.gsfc.nasa.gov/Public/Space_based/solse/index.html)

Thanks to a dedicated team of civil servants and contractors, SOLSE-2 was successfully developed, tested, and integrated into the STS-107 payload. SSAI employee Kent McCullough supported the SOLSE-2 development, assisting with flight and ground hardware fabrication, performing instrument calibration and functional tests, and

working at Kennedy Space Center as the experiment was integrated onto the shuttle. As with all missions, SOLSE-2 faced significant challenges. As the date for delivery of the experiment neared, there were problems with a detector failure and ghost reflections that resulted in extensive experiment disassembly and modification. At each step, Kent was there to support many mechanical and electrical operations.

Until the tragic events just prior to landing, STS-107 was a great mission for the SOLSE-2 experiment. The SOLSE-2 team, including SSAI employees Tom Kelly and Matt Kowalewski, worked closely with mission support staff and the Columbia crew during the mission. The payload collected almost 20 orbits of data, and everything on both the SOLSE and LORE instruments worked without fault. As Ernie Hilsenrath said, "Everything just worked great." It is too soon to tell if the science objectives were met. About half of the SOLSE-2 data were sent down in real-time (about 10% of the SOLSE data and 70% of the LORE data); the other half were recorded on instrument hard drives and were lost with the Columbia break-up.

This tragedy was a devastating and personal loss for all those close to the mission. SSAI team members are assisting in the identification of SOLSE-2 debris during the recovery process. SSAI expresses our sincere condolences to the entire SOLSE-2 team on the loss of friends and colleagues.

This is a letter that one of our employees, Terry Aquino, received from Hamilton Elementary School regarding the loss of our space shuttle and her reply to them.

February 10, 2003

Mrs. Grabenstein's Homeroom Class  
Hamilton Elementary Middle School  
6101 Old Hartford Road  
Baltimore, Maryland 21214

Dear Class,

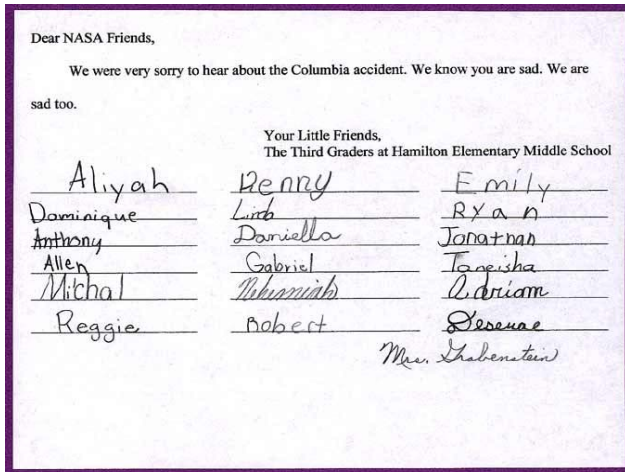
I am writing to thank you for your lovely card. It was very nice of you to share your feelings and wishes with us. We here at NASA were very sad to lose our friends on the Columbia Space Shuttle. Each astronaut was a very special person who loved to learn, discover, explore, and share. They will all be missed very much.

While we are sad we are also hopeful. We know that the work they did, and the work that you are helping us to do is part of a larger purpose: to make the world a better place for everyone to live.

Astronauts are very lucky; they get to go up into space and look down on our big, beautiful planet. Often they call the Earth the Big Blue Marble, because from space it is blue and green and white and brown, and looks just like a glass marble. While our world is not made of glass, it is still very precious, and very fragile, and we must take care of it the best way we can.

The astronauts on Columbia would be very proud to know that you are doing your part to understand the Earth and to help other people. Thank you all so much for being such good scientists, explorers, and friends.

With all best wishes,  
Teresa L. Aquino



## HOSTS PROGRAM NEEDS MENTORS NOW!!!

Changing the world – one student at a time.

The students in Gaywood Elementary School need your help.

*Think about it and say "yes."*

### HOSTS

(Help One Student To Succeed)

This highly successful program involves students being helped by mentors, one-to-one, to improve their reading skills and get up to grade level. Volunteers usually give one hour per week to mentor students.

A child is waiting for you to volunteer as a HOSTS Mentor.

Call

Gladys G. Leonard 301-918-8730  
Gaywood Elementary School  
9701 97<sup>th</sup> Avenue  
Lanham, MD 20706

*Help unlock a Child's Potential*

### **Monitoring Earthquakes from Space—by Jacob Yates**

It is 3:18 PM local time on the Greek island of Chios and a severe 6.4 magnitude earthquake just ruptured through this scenic, tranquil part of the Aegean. The inhabitants emerge out of their emergency shelters after an "all-clear" signal. Hours before, the regional alert was sounded for a quake scientists had predicted four days earlier. Many of the residents observe that only the older homes suffered severe structural damage, but that thankfully no one was seriously injured.

This fictional account may someday occur if the technique of earthquake precursor signals can be successfully observed and modeled. Recent developments in interferometric synthetic aperture radar (InSAR) are allowing geologists to see changes in crustal deformation preceding tectonic events. Previous studies dealt with the changes in vertical displacement of the magma chambers underneath the volcanoes of the Galapagos Islands. Current studies are investigating the horizontal strain of known surface faults four to seven days prior to a fault rupture. SSAI's Jacob Yates is part of a team that is studying such techniques in monitoring earthquake faults. Last year, that team at GSFC was awarded a Director's Discretionary Fund (DDF) grant to quantify intraplate tectonics in selected regions for a possible satellite system to monitor global earthquakes. NASA has earmarked a \$2 million/year study for a Global Earthquake Satellite System (GESS) that will use InSAR and other geophysical instruments. The team is studying earthquakes away from plate boundaries, but which are still tectonically active. Some of the most catastrophic earthquakes of the 20th century occurred not around the Pacific's "Ring of Fire," but in areas where plate boundaries are either diffuse or located many hundreds of kilometers away. One of the most catastrophic intraplate earthquakes ever recorded occurred in 1976 in Tangshan, China. With a magnitude of 8.2, it killed over 250,000 people. Another recent catastrophic intraplate event was in Gujarat, India, in 2001, where a 7.9-magnitude temblor caused the loss of over 20,000 lives.

Current studies by the GSFC team have focused on the natural hazard risk of intraplate regions, specifically the Aegean, the Ural Mountains, the St. Lawrence River, and western Australia. Local institutions have also collaborated by assisting with the *in-situ* studies. By doing calibration and validation ground studies with satellite data of known surface Quaternary fault systems, a better model of fault displacement for intraplate earthquakes may be developed. Through continued investigations such as this study, one day we may be able to observe precursor ground motions of an impending quake and help prevent the loss of life.

For more information about this work:

[http://denali.gsfc.nasa.gov/sci\\_hi/sci\\_hi\\_12\\_01/dec01.html](http://denali.gsfc.nasa.gov/sci_hi/sci_hi_12_01/dec01.html)

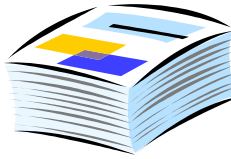
[http://www.space.com/scienceastronomy/planetearth/tectonic\\_map\\_991111.html](http://www.space.com/scienceastronomy/planetearth/tectonic_map_991111.html)

<http://geodynamics.gsfc.nasa.gov/dtam/>



## WHAT IS NASA's EARTH SCIENCE NEWS TEAM?

NASA's Earth Science News (ESN) Team is an extension of NASA Public Affairs, and is responsible for bringing NASA's Earth science research stories into the news. The team consists of Rob Gutro, Team Leader, Krishna Ramanujan, Science Writer, and freelancer, Chad Boutin. The Team newsmines, writes and produces Earth science stories all with graphics and captions, and some with video and animations (coordinating with NASA-TV and the Scientific Visualization Studio). Many NASA-funded Earth science news stories have received global coverage including: David Atlas' "Full-Body Scan of an Evolving Thunderstorm." You can find the story at: <http://www.gsfc.nasa.gov/opstory/20021215convective.html>.



Another story you may be familiar with is Josefino Comiso's "Arctic Ice Caps Melting at 9% Per Decade" found at: <http://www.gsfc.nasa.gov/topstory/2002/1122seaice.html>.

The ESN Team researches journals, attends scientific conferences, writes science writer's guides on Earth science missions (the new SORCE writer's guide comes out /25/03). *We would appreciate hearing from all NASA-funded Earth scientists about upcoming papers for publication. Please email Rob at [gutro@pop900.gsfc.nasa.gov](mailto:gutro@pop900.gsfc.nasa.gov).*

**Robert J. Gutro**  
Team Leader, Science Writer

News Team stories can be found at: <http://www.gsfc.nasa.gov/>

## WOMEN IN MATHEMATICS AND SCIENCE 2003 CONFERENCE

SSAI's own, Stephanie Stockman, will be the Keynote Speaker for the 16<sup>th</sup> Annual Glenna Hazeltine Conference. Check out the web site below to learn about the interesting work Stephanie is doing for our customers (Great pictures!): <http://muweb.millersville.edu/~wmisc/stockman.htm>.

## SMALL TIME COMMITMENT, BIG RESULTS: HEALTH, EDUCATION, & MICRO-ENTERPRISE

Margaret Mead once said words to this effect: *Never doubt that a small group of committed people can change the world. Indeed, that's the only thing that ever has.*

SSAI employees might be interested in learning about an opportunity to contribute to national and international health, education, and poverty reduction through micro-enterprise in a way that's not time-consuming and is enormously effective. A non-partisan lobbying group called *Results* works with volunteers across the country through monthly one-hour teleconferences to present background research and then to focus together on the month's agenda for effective programs.

I joined this effort after September

11, 2001. I felt that I had to do more to mitigate the effects of the poverty and hopelessness that support terrorism.

Have you heard of micro-credit, or micro-enterprise, those small loans with which really poor people pull themselves out of poverty? *Results* has been key on promoting and publicizing that approach from its beginning to its current implementation in programs around the world. We're currently working to pass into law a requirement that would help ensure that half of US anti-poverty funds target people living on less than \$1 a day. *Results* has also been key in

expanding US funding to fight tuberculosis globally and in gathering support for the Global Fund for AIDS, TB, and Malaria.

Our work is enormously engaging; it's only once a month; it's non-partisan; and it's fantastic leveraging of resources to accomplish a lot for hundreds of thousands of people. We write letters to our senators and representatives and meet with them; we write letters to newspaper editors; and we help editorial writers understand and communicate ways of supporting effective programs.

Please contact me if you'd like to learn more. You can also visit the *Results* web site ([www.resultsusa.org](http://www.resultsusa.org))

Jeanne Allen  
301-794-6399  
[Jeannie.allen@comcast.net](mailto:Jeannie.allen@comcast.net)

## **HEALTH AND SAFETY CLASSES**

Starting in April, SSAI will begin to offer CPR classes to all its employees. Anyone who successfully completes a class will receive a one-year American Red Cross certification or recertification. Eventually, classes for child and infant CPR, first aid, and even the use of automated external defibrillators will be added.

The 4-hour classes, which normally cost \$50 or more, will be offered at cost, and will be given conveniently in the evening at the Aerospace Building. Dee Jones, SSAI's Health & Safety Coordinator, is working out the final logistics and will send out more information to all employees soon. Dee and Mike Darzi, both certified instructors, will be teaching the classes.



## **ELECTRONIC TIMESHEETS**

SSAI has joined the electronic timesheet age! Beginning last December, SSAI began switching from hard-copy timesheets (used since the time of ancient Egypt) to electronic ones. After extensive evaluations, we purchased the Time Collection package by Deltek Systems. The Internet-based electronic timesheet (ET) allows employees to log on while on travel or vacation, eliminates arithmetic errors, and can be monitored much more efficiently by managers. ET has already proven to be a substantial time saver.

The switch to ET has been surprisingly quick and trouble-free, with over 99% of employees now using it. The extensive training provided to employees seems to have done the trick. Many people were responsible for this switch, but the tremendous efforts by Michelle Barnhill, Cindy Martin, and Linda Aguirre deserve special commendation.

Some common recurring problems continue, however, including the use of wrong accounts and suffixes, and incorrect posting of leave and comp time. If you have questions about how to use ET, contact Cindy ([cynthia\\_martin@ssaihq.com](mailto:cynthia_martin@ssaihq.com)) or your manager. (Michelle is currently on maternity leave, which is unrelated to ET.) Any software or system problems, on the other hand, should be reported to [et@ssaihq.com](mailto:et@ssaihq.com).

## **WINTER GALA**

SSAI put together another wonderful "Winter Gala Party." This year our party was held at the Sheraton Barcelo in Annapolis with a dinner/dance held in the Chesapeake Ballroom with approximately 385 employees and guests. For starters, a vegetable and cheese display were provided along with a champagne punch. Our dinner buffet consisted of Caesar salad, salmon with a citrus tarragon Beurre Blanc, chicken marsala, veggie lasagna, wild rice pilaf and roasted red potatoes w/rosemary and scrumptious desserts of cakes and pies. The DJ provided music that brought many onto the dance floor.

## **MARK YOU CALENDAR**

Once again our Annual Picnic will be held at Herrington Harbor on August 24th. More information will be coming soon.



## **SSAI's NIGHT OUT AT THE THEATER**

SSAI employees have many side interests involved with GEWA clubs and groups at Goddard. Ted Ying (IT Security Coordinator) has been involved with the Music and Drama Club (MAD) for about five years now and directed their recent production of the comedy, "The Curious Savage". As it was the first full-length play that Ted was directing, Randy Barth (SESDA contract) agreed to be associate director and provide comments and mentoring as needed. Randy has been involved in MAD since the late 1970's. Ted cast Eliot Malumuth (LASP contract) in the show. Eliot has been involved in MAD since 1994.

Mike Darzi (LTP contract) suggested that with SSAI employees involved in the show, that SSAI subsidize purchasing a block of tickets to one night of the show and have an SSAI night out at the theater.

SSAI purchased half of the house for Friday, 21 February 2003 and the SSAI employees had a wonderful time at the show. They were a great audience and the cast enjoyed their attendance and feedback and were able to deliver a great performance that evening. Everyone enjoyed the "happy hour" Rec Center fare and show.

Although an exhausting experience, it was a fulfilling one. Ted agreed to direct the February show in August of last year. The show was selected by the play reading committee in September. Ted prepared for auditions in early November. Once the show was cast from auditions, there was a lot of design work that had to go into preparing for the start of rehearsals in early December.

Eight weeks of rehearsals were required to get everything ready for the show's opening.

All in all, with a lot of hard work from all involved, the show came off very well. The cast were well-rehearsed and the technical aspects of the show worked well. If anyone would like to get involved in MAD (there are lots of fun roles both on-stage and off-stage), please contact Eliot Malumuth who is the current president of MAD. MAD has two primary shows each year, the Winter play, typically the last three weekends in February and the Fall dinner theater musical the last five weekends before Thanksgiving. Although MAD has not yet selected the show, Eliot Malumuth will be directing and it should be a great show. Please plan to come out and join the audience. We promise it will be a fun night at the theater.

Ted Ying



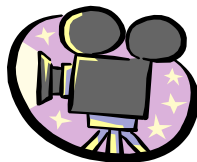
## **THE GREAT OUTDOORS**

SSAI's hiking activities are about to pick up the pace for a new season, with an April 12 hike to admire DC's cherry blossoms. The cherry trees are expected to be in full bloom at that time, a little later than usual because of the long, hard winter. The hike will be an easy 4 to 8 miles (your choice) over flat, paved ground in West (Tidal Basin) and East (The Awakening) Potomac Parks. It'll be a great way to celebrate the new spring, shake off any remaining cabin fever, and see the best of DC.

Last year's hikes included the Billy Goat Trail/Great Falls, Rock Creek Park, Seneca Creek State Park, Black Hill Regional Park, Harper's Ferry/Maryland Heights, Catoclin Mountain, and Antietam National Battlefield. Not a single person complained about being too tired.

Other activities planned (but not definite) for this year are hikes at the National Arboretum, Manassas National Battlefield, Potomac Heritage Trail, Potapscoc State Park, Greenbrier State Park, and a more difficult hike somewhere TBD, as well as a tubing trip near Harper's Ferry. Announcements for the cherry blossom hike and the other trips will be sent to all employees.

## **GOOD MOVIE CLUB**



Seen any good movies lately? We have. Each month the Greater Goddard Good Movie Club votes on a good movie to go to at an area theater on the second Wednesday or Thursday night. To be rated as "good," a movie must receive a score of greater than 60% by the Rotten Tomatoes website, which collects and averages reviews from professional critics. This criterion keeps us from succumbing to the media blitz of the latest blockbuster.

You'd be surprised how many good films are playing at any one time, many of which you may not have heard of because they are not general-release movies. The last two we went to were "Chicago" and "The Quiet American"; both were excellent. We try to combine the viewing with dinner before or after, where the conversation (and arguments), strangely enough, often relate to movies. If you enjoy *good* movies and would like to be added to the email list, contact Mike\_Darzi@SSAIHQ.com.

## **TECHNICAL SEMINAR**

SSAI's Technical Seminar Series enables SSAI employees to showcase their work as part of the myriad of interesting projects being done at SSAI in its core areas of science and technology. Occasional hiccups do occur, however. Last month's seminar by Dr. George Huffman on the use of remote sensing for estimating precipitation was cancelled due to...precipitation—one of the many snow storms we've had this winter. But don't worry; it has been rescheduled for March 27.

The April seminar will feature Stephanie Stockman discussing outreach related to the Landsat 7, Aura, and MESSENGER satellites. In May, Jessica Robin, Terry Aquino, and Izolda Trakhtenberg will get us back down to Earth talking about the soils characterization work that is part of the GLOBE Project. In June, we travel to the far reaches of the universe when Peter Leonard discusses the mysterious gamma-ray bursts and the creation of black holes. Seat belts are provided.

The (almost) monthly, brown-bag seminars are given at lunchtime at SSAI's main conference room (408) in the Aerospace building. Non-SSAI colleagues are always welcome. The excellent attendance they have received is an indication of how interesting and "cutting-edge" some of the work is. The free cookies may also have something to do with it. If you are interested in presenting an aspect of your own work, contact Mike\_Darzi@SSAIHQ.com.

## **BARBERSHOP QUARTET**



SSAI employee, Bob Neff, is a member of the Bowie Knights of Harmony (Maryland's #1 Barbershop Chorus). They will be performing their 2003 Spring Musical show, "Antique Song Road Show," along with two other groups, on March 29 at the Martin Luther King Auditorium in Bowie, Maryland. If you have never heard them perform, make plans to see them—you will be in for a real treat. Call Bob at (301) 614-5366 for tickets and directions.

## **BOOK EXCHANGE**



Are you a bookaholic, do you just like to read, or do you have stacks of book just cluttering up your home? SSAI is providing a book exchange bookcase in the 6<sup>th</sup> floor kitchen area. Bring a book, or take a book—literature, mysteries, novels, etc., paper back or hard cover, Smithsonian or National Geographic magazines—no trash. If you have books you would like to donate, call Renée in the main office at 301-867-2000.

## **GODDARD RUNNING CLUB**

The Goddard Running Club will be hosting the 55th Inter-center running competition on April 3rd, Thursday, for the 2-mile race, and April 9th, Wednesday, for the 10K race.

The 2-miler starts at Building 3 at noon and is open to runners and walkers. Pre-registration at the Fitness Lab costs \$3, and race-day registration costs \$5. The 10K starts at noon at Greenbelt Lake.

Come on out and enjoy fun in the spring sun!! For information contact Meg Larko at 301-614-5690.





## **2nd ANNUAL SSAI GOLF TOURNAMENT**

The 2nd Annual SSAI Golf Tournament was a big success, with 10 foursomes participating. The good weather enhanced the experience; we couldn't have asked for a better day. If you noticed a man peeking from behind trees and large rocks during the tournament, that was our photographer, Patrick Higgins. He tried to capture the real essence of golf and we'll know when the pictures come back who really played fairly.

One of our new additions to the tournament was the opportunity to purchase "mulligans," or free shots, sometimes given to golfers in informal play when the previous shot was poorly played. For those unfortunate golfers who had flubbed, whiffed, hacked, or just messed up a shot, they were very useful in lowering the scores of the teams and giving the last chance at drawing a nice prize. At the end of a long and fulfilling day, each group of golfers trickled back to the SSAI pavilion and had a late lunch. Winners were awarded trophies and gift certificates.

### **Winners of Flight 1 - Team 1**

Larry Twigg  
Rich Stolarski  
Tom McGee  
Randy Kawa

### **Winners of Flight 2 - Team 4**

Lenny Newman  
Dick Nafzger  
Dave Brown  
Tom Northcutt

The contest winners were:

Closest to the pin	Hole #8	John Mostakis
Closest to the pin	Hole #17	Nick Pell
Longest drive	Hole #7	Bob Cavey
Longest drive	Hole #11	Jim Reavis

I would like to extend special thanks to Ceil for her help in making SSAI's 2nd Annual Golf Tournament a huge success. We will be hosting this tournament again in the spring, knowing that it will continue to grow and thrive.

Mike Berganski

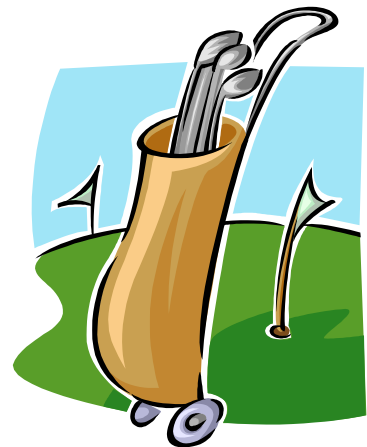
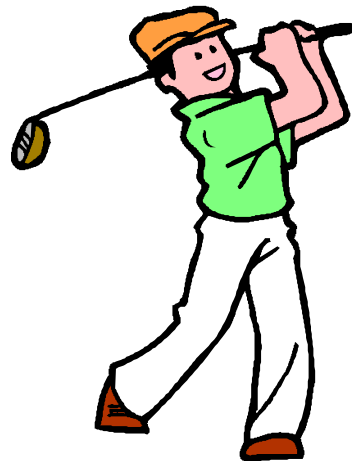
## **SSAI SPRING GOLF**

Place: Glenn Dale Golf Club  
Date: Friday, May 23, 2003  
Time: 8:00am (shotgun start)

Event price: \$65 - greens fee and carts included  
Format: Scramble Tournament - 18 holes  
Individual players or your own foursome  
All SSAI Employees, spouses and friends are invited

Payment: Please remit cash or checks payable to SSAI  
by COB Friday, May 9, 2003  
RSVP: [ceil@ssaihq.com](mailto:ceil@ssaihq.com) or  
Mike Berganski ([bergansk@daac.gsfc.nasa.gov](mailto:bergansk@daac.gsfc.nasa.gov))  
Tel. 301-614-5281 - Bldg. 32, rm N-126-A

Trophies, prizes, gift certificates, goodie bags, food and drinks provided by SSAI.



## **WELCOME NEW EMPLOYEES**

Sharron Adkins  
Atheer Al-Jazrawi  
Jeannie Arnold  
Christina Beeg  
Latha Bichali  
Daniel Brennan  
Justus Brevik  
Stefan Brodd  
Sandeep Budala  
Marie Bussman  
Rachel Campbell  
Alexander Cede  
John Cooper  
Jecue Duchateau  
Andrew Eye  
Louis Fenichel  
Timothy Finnegan  
Shannon Franks  
Richard Goldring  
Milton Gray  
Mary Greene  
Sandra Grosvenor

Timothy Gubbels  
James Haynes, Jr.  
Kurt Hoffman  
Julia Holland  
John Hord  
Kenneth Hua  
Melvin Hudson  
Catherine Hughes  
Jerry Huppman  
Elaine Johnson  
Derrick Jones  
Alain Kabore  
Lisa Kane-Hager  
Vanessa Kerry  
Vinod Khatri  
Diane Klein  
Stephen Kreisler  
Robert Kummerer  
Gary Lake  
Jesse Lewis  
Timothy Lincoln  
Karin Loya

Cheng-Hsuan Lyu  
Peter Macharrie  
Antwon Makel  
John Marketon  
Crystal McClide  
Alexander McClung  
Edward McDonald  
Linda McNeely  
John Mostakis  
Richard Mumaw, Jr.  
Darryl Nickless  
Eric Obligacion  
Roger Peyton  
Frank Pointer  
Vipool Rathod  
Clarissa Reavis  
Federico Recio, Jr.  
Gary Roth  
William Ruark  
Jeffrey Schmaltz  
Angela Shelton  
Jennifer Short

Frank Smith  
Gilbert Smith  
Marsha Smith  
Eileen Snoddy  
Sian Stimpert  
Sidey Timmins  
Michael Tischler  
Dan Trang  
Bhagirath Trivedi  
David Van Mourik  
Enrico Varias  
Luan Vo  
Sebastian Wambua  
Stephanie Wasley  
Robert Westbrook, II  
Charis Wilkinson  
Matthew Wilkinson  
Arthur Woyah  
Arleen Yeager

## **NEW ADDITIONS**

Baby girl—Julie Valentine  
Born to:  
Anne Vermuelen and Jacques Descloitres  
on October 31st. 8lbs, 2oz., 21" long

Twin girls—Alena and Nicole  
Born to:  
Matt and Angie Kowalewski on December  
16th.  
Alena weighed 4lbs, 10oz., 20" long  
Nicole weighed 4lbs, 5oz., 19" long

Baby boy—Aidan  
Born to:  
Andrew and Laura Lynch on March 3rd.  
7lbs, 15oz.

Baby boy—Akash  
Born to:  
Apurve and Sona Mathur on May 24.  
8lbs., 10oz.

Baby girl—Shania Ashley  
Born to:  
Tahira McKay and Ashmar Wallace on Oc-  
tober 4th.  
6lbs., 6 oz., 18" long



Baby girl—Cecelia  
Born to:  
Nick and Debbie Pell on January 5th.  
6lbs., 15oz.

Baby girl—Kalyani Irene  
Born to:  
Krishna and Karryn Ramanujan on January 23rd.  
6lbs., 12oz., 19" long

Baby girl—Mariana Uribe Ramirez  
Born to:  
Paulo Uribe and Maria Ramirez on December  
14th.  
8lbs., 6oz., 21" long

Baby girl—Alexandra Lee  
Born to:  
Jim and Clarissa Reavis on December 17th.  
8lbs., 3oz., 19.5" long

Baby girl—Abigail  
Born to:  
Amy and Kyle Scully on September 16th.  
8lbs., 8oz.

## **YEARS OF SERVICE**

### **15 Years**

Ronald Carlson  
John Rosenfelder  
Dennis Hlavka  
Sally Muckel  
Jackie Kendall

### **10 Years**

Eric Nelkin  
Larry Corp  
Laura East  
Valerie Corey  
Dan Hodgkinson  
Beth Nelson

### **5 Years**

Vincent Chiang  
Keith Rice

## **ENGAGEMENT**

Jaime Demick and Felix Montelara are happy to announce their wedding on Saturday, April 19, 2003, at 2:30 p.m. at "A Special Memory Wedding Chapel" in Las Vegas, Nevada.



## **NEW U.S. CITIZEN**

We are very happy to announce that Monica Todirito became a U.S. citizen on December 11, 2002. A very big "Welcome to the USA", Monica.

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# **12th Annual Spring Crafts Fair**

**(sponsored by GEWA)**

**WEDNESDAY, APRIL 16TH  
10 a.m. til 2 p.m.  
Bldg. 8 Auditorium**

**REGISTER NOW! (checks & payment due COB April 9th)**

**Participation is open to ALL employees (gov't. & contractor), retirees, and their families and friends. Only \$15 reserves a 10x10 ft. space (with 3x5 ft. table).**

**Email for electronic version of registration form: [csimkins@pop400.gsfc.nasa.gov](mailto:csimkins@pop400.gsfc.nasa.gov)**



## Questions? Who to call for what?

Cindy Martin—Payroll, Time sheets, Direct Deposit  
(301) 867-6315  
cynthia\_martin@ssaihq.com

Sue DiSilvestre—HR/Benefits, 401K  
(301) 867-6302  
sdisilvestre@ssaihq.com

Ceil Presnell—Employee Welfare and Communications  
(301) 867-6264  
ceil@ssaihq.com

Deidre Jones—HR Recruitment/Health & Safety  
(301) 867-6308  
dee\_jones@ssaihq.com

Rosine Evans & Renita Smith—Accounts Payable, Vouchers, Purchase Requests, Tuition Reimbursement  
(301) 867-6310 (Rosine)  
(301) 867-6309 (Renita)  
rosine@ssaihq.com, renita\_smith@ssaihq.com

### Travel Information

Jenny Bowen— SESDA	(301) 867-2092, jenny_bowen@sesda.com
Rosalind Riley—LTP contract	(301) 867-6266, rosalind_riley@ssaihq.com
Renee Knoch—SARSAT, MODIS, CIRs, Global Monitoring of Aerosol Properties contracts, & SAIC subcontract	(301) 867-6263, renee_knoch@ssaihq.com

**For vacancies, please see our Web site at  
ssaihq.com**

### **Web Sites to Remember:**

EAP:	www.lifeworks.com
Health Ins:	www.phcs.com phcs
Dental Ins.	www.glic.com Health care providers Dental providers
Vision Plan:	www.vsp.com
CIGNA 401(k):	https://answernet.retire.cigna.com
SSAI Company Website:	ssaihq.com
Timesheets:	https://et.ssaihq.com/tc4/dhtml/